

### Abstract of the Disclosure

Systems and methods for refining or otherwise processing tungsten alloys, including ferrotungsten powder and articles formed therefrom, and methods for detecting the presence of the same. The methods include at least one  
5 of magnetically-separating and particle-size-separating ferrotungsten or ferrotungsten-containing powder. In some embodiments, powder may be separated to remove fine particles, and optionally to separate the remaining particles into fractions containing selected particle size distributions. The powder additionally or alternatively may be separated into at least magnetic and non-  
10 magnetic fractions. In some embodiments, portions of two or more size and/or magnetism fractions are mixed to provide a ferrotungsten-containing feedstock. Selected fractions resulting from the size and magnetism separation steps may be utilized to provide a ferrotungsten-containing feedstock from which articles are produced and which may include additional components.